





Colorado Springs Utilities

❖ Four Service Utility

- 600,000 customers, over 10% of State's population
- \$1 Billion/year
- 2,000 employees

- **Electric**
 - 2 coal, 4 gas, 4 hydro facilities
 - 826 MW summer peak
 - 4.6 Million MWH sendout 70% coal, 10% renewable hydro, 20% gas and/or market purchases

- **Natural Gas**
 - 25 million mmbtus/year

- **Wastewater**
 - 2 state of art wastewater treatment plants

- **Water**
 - 22 Billion gallons
 - 5 water treatment plants
 - Over 2,000 miles of water transmission and distribution pipes



Electricity & water do mix

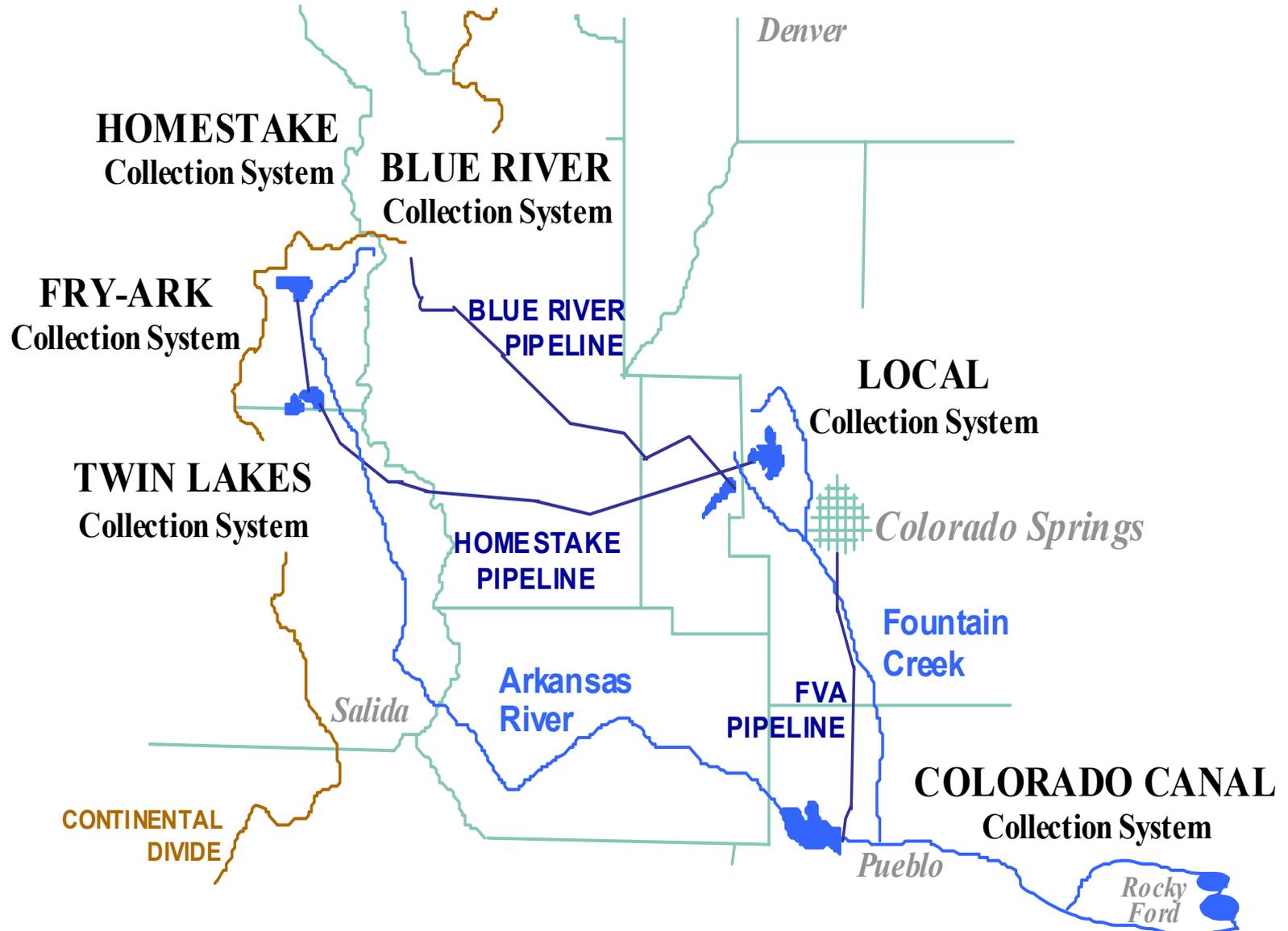
Electricity used to move water

- ❖ 50,000 MWh to move 18 billion gallons, includes some gravity assist

Electricity made from falling waters

- ❖ 300,000 MWh from of 70 billion gallons, includes transmission losses

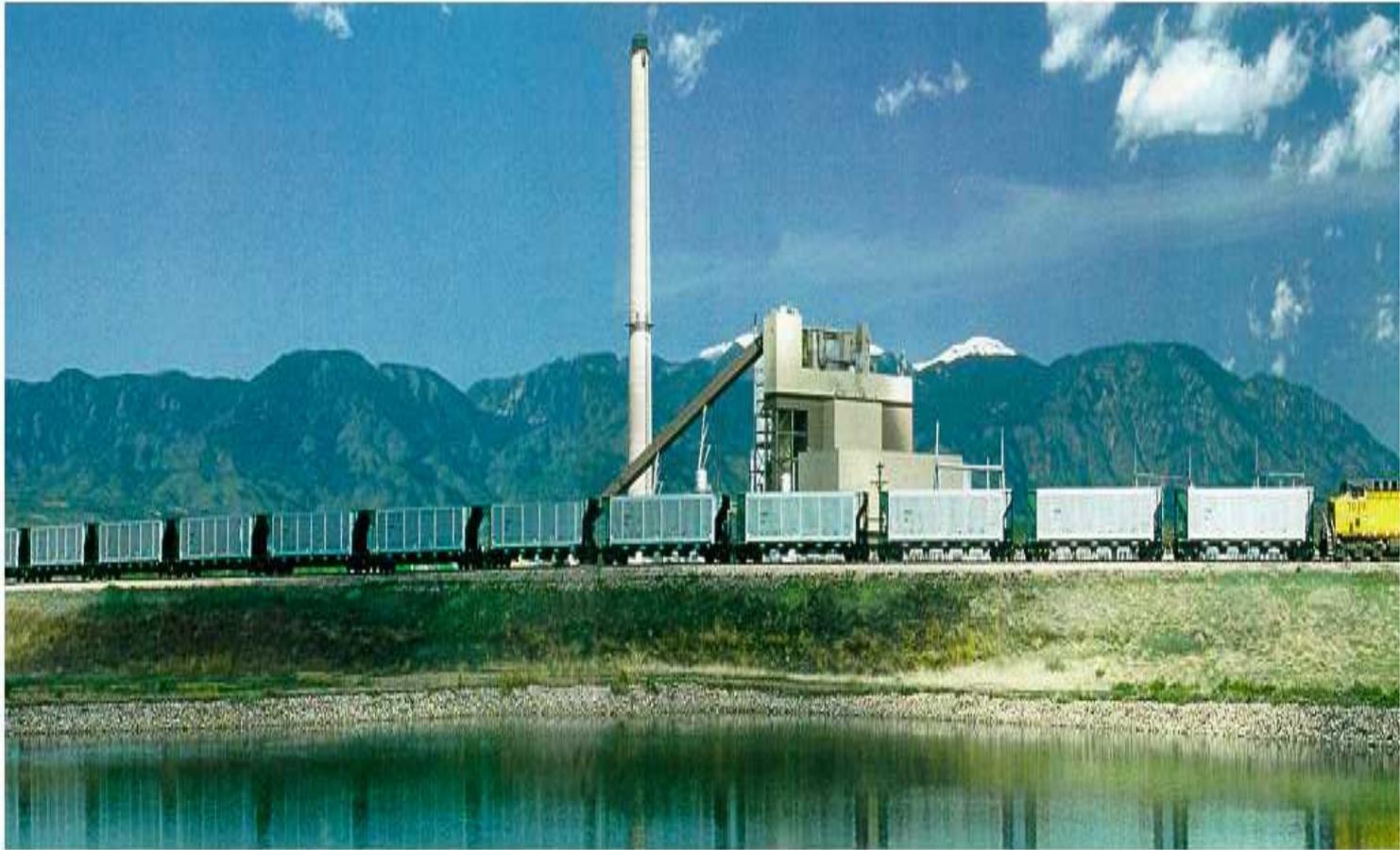
Raw Water Collection Systems





Colorado Springs Utilities
it's how we're all connected





Coal deliveries to Nixon

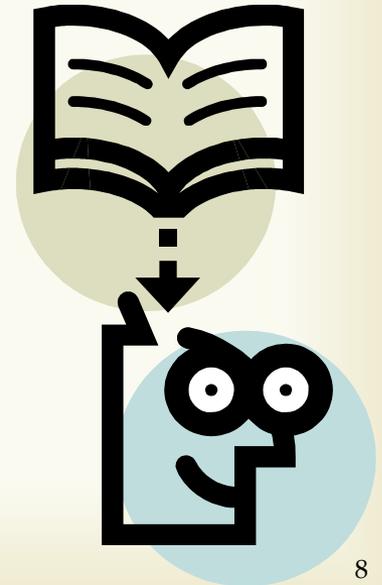


Bringing it together

- ❖ Look for opportunities and synergies to capitalize and benefit from a 4 system perspective
- ❖ Common
 - Shared assumptions, forecasts, techniques
- ❖ Operations
 - Power plants dry cooling or recycled wastewater
 - 10% of all water sendout is recycled
- ❖ Planning
 - Identification of small (micro-hydro) electric generation

Future Challenges

- ❖ Unique physical natures of water and electric systems, technical disciplines, regulatory, and governance.
- ❖ Environmental
 - Air emissions
 - Land use
- ❖ Water transfers and use
 - Interference
- ❖ Aging infrastructure
 - Plants
 - Wires & pipes
- ❖ Brain drain
 - Retirements
 - Lack of science, math, and engineering training in younger generations
 - Competition





Themes

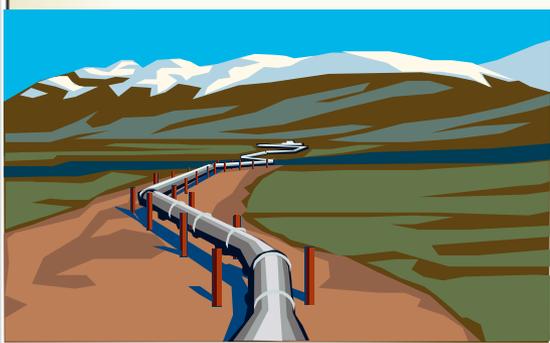
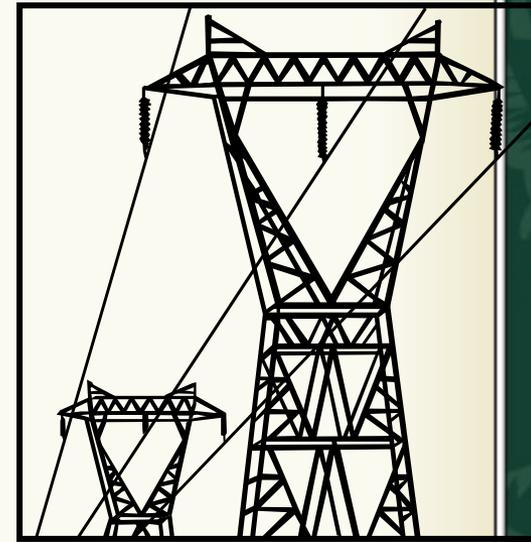
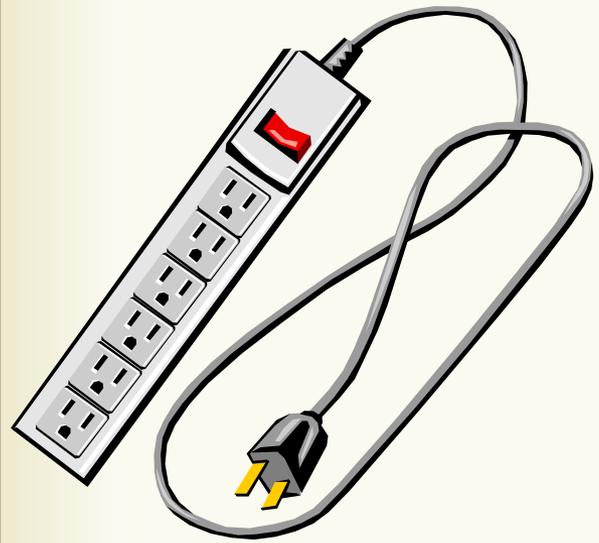
Growth

Environmental Issues

Governance

*Aging Infrastructure
both Physical & Human*

*Cost control
& competitive rates*





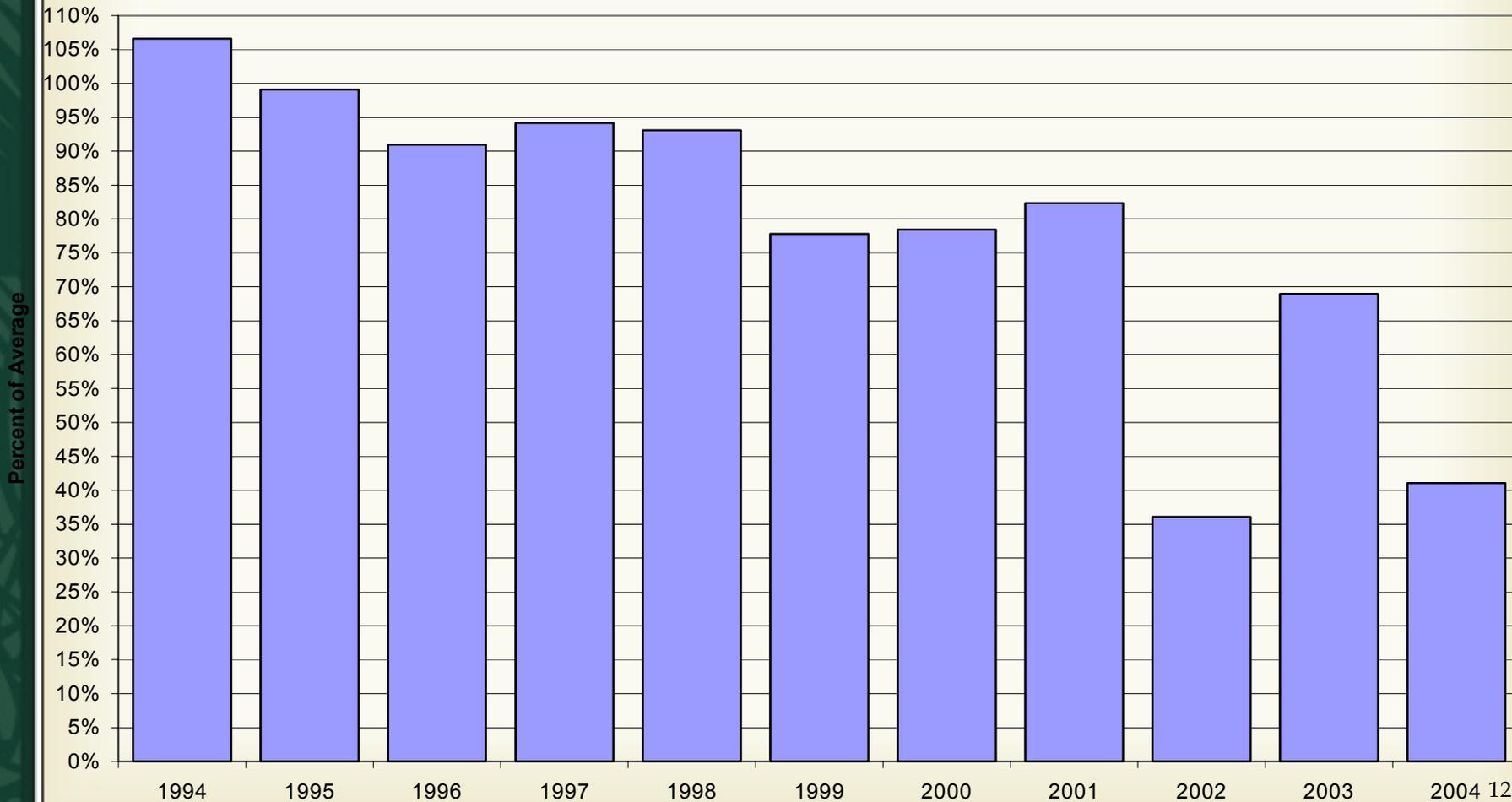
Questions & Discussion





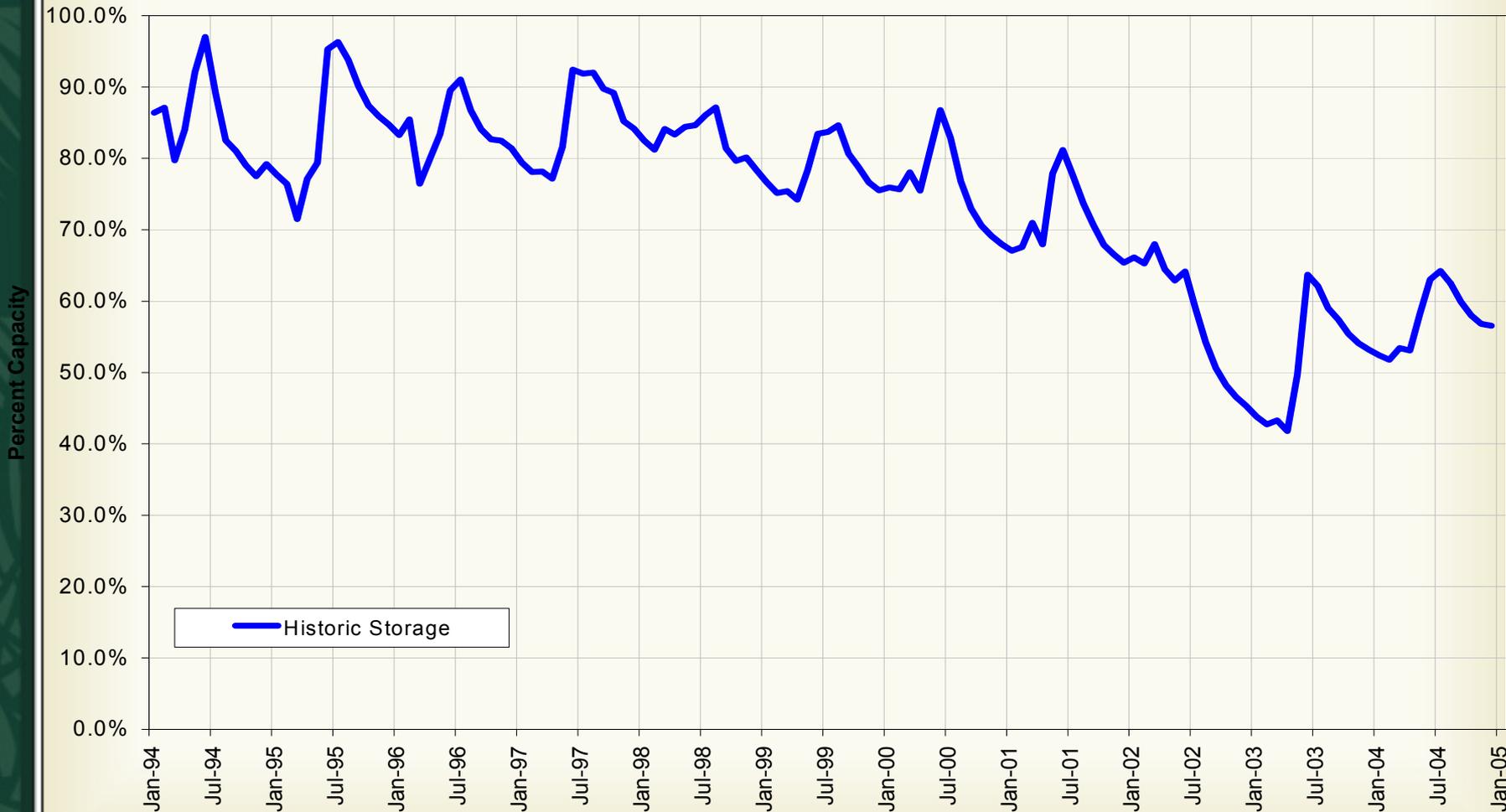
Colorado Springs Water Yields 1994 - 2004

Percent of Average Yield for Major Collection Systems





Total System Wide Storage 1994 - 2004





Water Resource Plan

- ❖ **Conservation**
- ❖ **Nonpotable Water Development**
- ❖ **Existing System Improvements**
- ❖ **Storage**
 - ❖ **Excess Capacity Contract and Pueblo Reservoir Enlargement**
- ❖ **Southern Delivery System**



Southern Delivery System Summary

- ❖ Southern Delivery System project -- best and most responsible option
 - 66 inch 43 mile pipeline to deliver water from Pueblo Reservoir to Colorado Springs
- ❖ Follows through with 1996 Water Resource Plan direction
- ❖ Colorado Springs committed to working with the City of Pueblo and other regional interests
- ❖ The Southern Delivery System will NOT:
 - take another community's water
 - impact Pueblo's Historic Arkansas Riverwalk
 - “dry up” the Arkansas River through Pueblo



PREFERRED STORAGE OPTIONS PLAN SUMMARY

- ❖ Southeastern Colorado Water Conservancy District (SECWCD) Water & Storage Needs Assessment
- ❖ Preferred Storage Option Plan (PSOP) 3 Components
 - Long term excess capacity (LTEC) contracts for existing space (non-project water in project space) in Pueblo Reservoir
 - Pueblo Enlargement
 - Turquoise Enlargement
- ❖ PSOP Legislation
 - Congress Affirmation of Reclamation Authority to Contract for Space
 - Feasible Study of Pueblo/Turquoise Enlargement
 - Consistent with USBR Strategy Plan known as the “Water 2025” which promotes the use of existing facilities



SUMMARY

- ❖ Needs
 - New systems to store and deliver existing decreed water rights to Colorado Springs and participating regional communities
 - Need delivery system to provide redundancy
- ❖ Actions
 - Support PSOP Legislation that will:
 - Confirm USBR authority to enter into long term contracts
 - Investigate the feasibility of expanding Pueblo Reservoir and Turquoise Reservoir
- ❖ Regional Benefits
 - PSOP provides storage to 15 project participants
- ❖ Regional Consensus
 - City of Pueblo
 - El Paso County
 - City of Aurora, City of Fountain, Pueblo Board of Water Works
 - Colorado River District
 - Friends of the Arkansas
 - Upper Arkansas River Conservancy District
 - Southeastern Colorado Water Conservancy District
 - Action 22
- ❖ This project is the least cost, most environmentally friendly project possible
- ❖ Consistent with:
 - USBR's "Water 2025" vision
 - State Water Supply Initiative's findings